Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW 33: Translations

**Honors Geometry**

|  |  |
| --- | --- |
| 1) Translation: 2 units right and 5 units up. | 2) Translation: 5 units left and 1 unit down |
| 3) Graph the triangle ABC with vertices: On the graph, label the coordinates of the vertices if the triangle is translated 3 units up and 6 units to the left.  **Prove that the image and pre-image of ABC are congruent.** | |
| 4) Write the equation of the line  if the line is translated down the 4 units. | 5) Suppose the line is parallel to the line *.* If what is one possible equation for  Justify your answer in at least 1 complete sentence. |

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